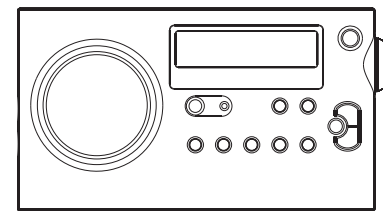


# DPR-99+



**GB**

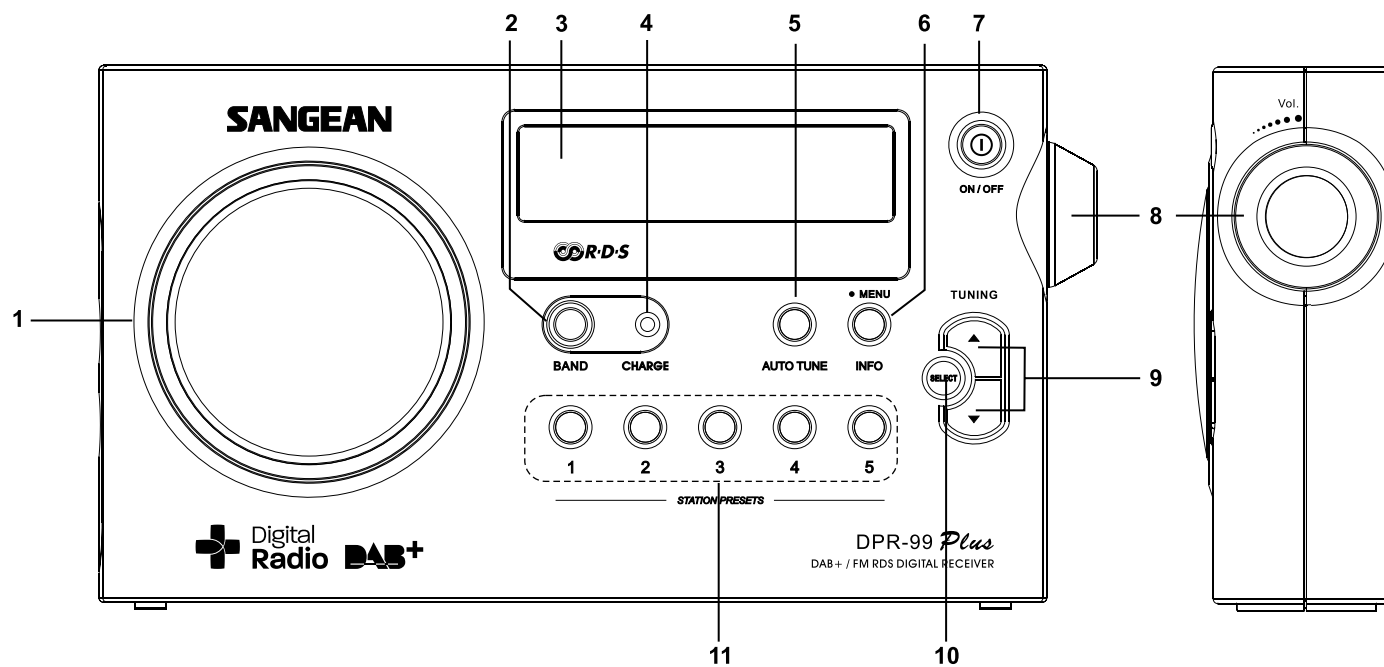
Revision 1

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# Controls (Front)

GB

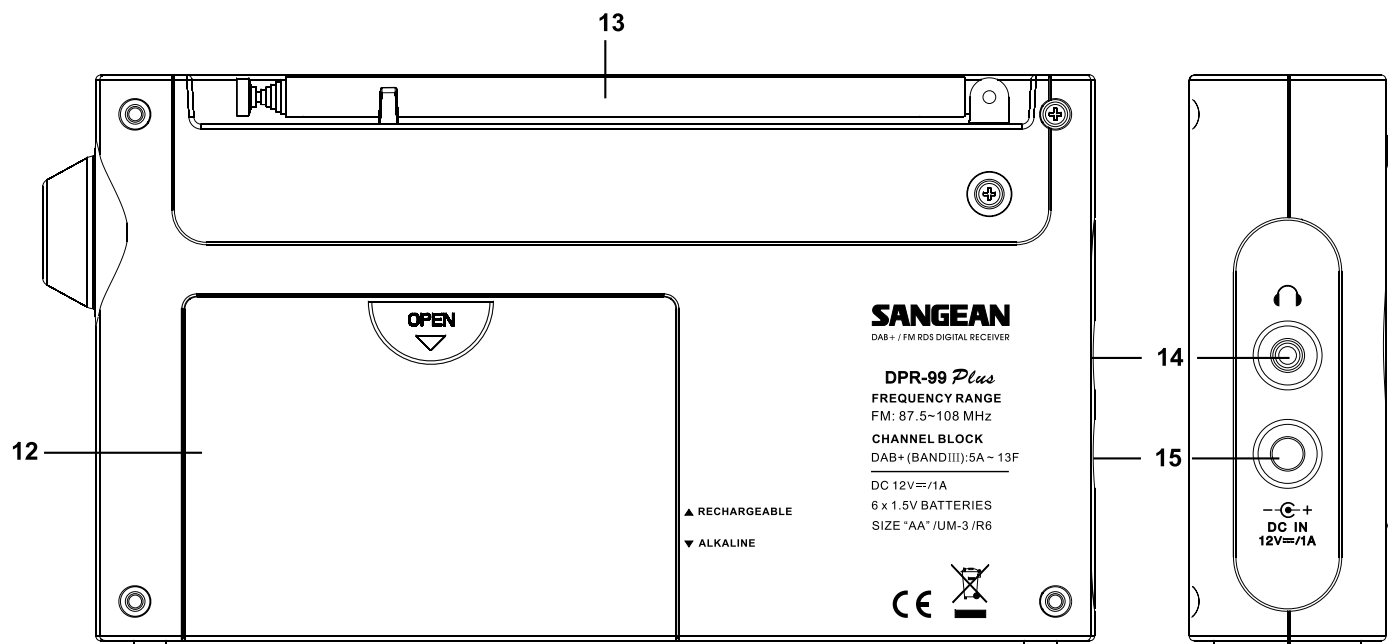


1. Loudspeaker
2. Band button
3. LCD display
4. Charge LED indicator
5. Auto Tune button
6. Menu / Info button

7. On / Off button
8. Volume control
9. Tuning Up / Down buttons
10. Select button
11. Preset buttons

## Controls

(Back)



- 12. Battery compartment
- 13. Telescopic aerial

- 14. Headphone socket
- 15. DC jack socket

### Battery operation using alkaline batteries

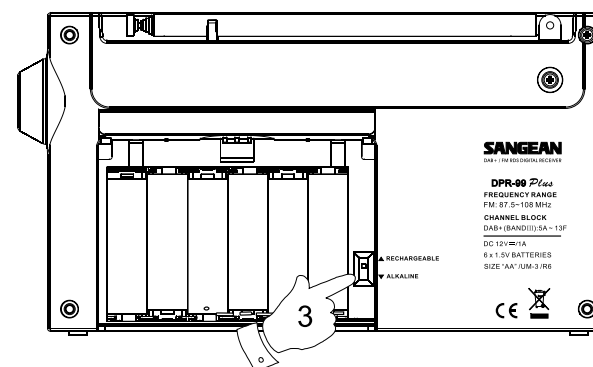
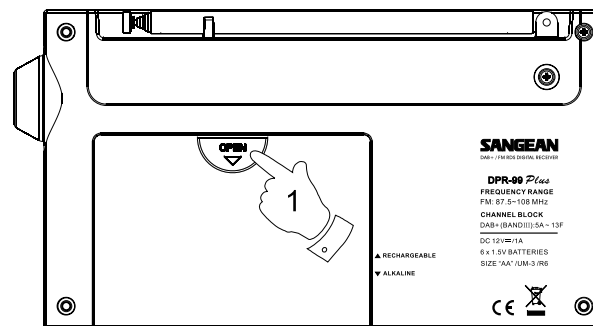
1. Remove the battery cover on the back of the unit by sliding the cover in the direction of the arrow.
2. Insert six LR6 (AA size) alkaline batteries into the spaces in the compartment. Take care to ensure all batteries are inserted with the correct polarity as shown inside the battery compartment.
3. Slide the battery switch to the Alkaline position and then replace the battery cover.

- **Important: when using alkaline batteries the battery switch must be placed in the alkaline position. Failure to do so could result in serious damage to the batteries or radio.**

- Reduced power, distortion and a 'tuturing' sound are all signs that the batteries may need replacing.
- If the radio is not to be used for any extended period of time it is recommended that the batteries are removed from the radio.
- *We would recommend for economy that the radio is used via the AC adaptor whenever possible with battery operation for occasional or stand-by use only. If extended listening using batteries is anticipated, then the use of rechargeable batteries is recommended.*

### Battery operation using rechargeable batteries

1. Remove the battery cover on the back of the unit by sliding the cover in the direction of the arrow.
2. Insert six Rechargeable LR6 (AA size) batteries into the spaces in the compartment. Take care to ensure all batteries are inserted with the correct polarity as shown inside the battery compartment. The radio is designed to be used with Nickel Metal Hydride (NiMH) rechargeable batteries.
3. Slide the battery switch to the Rechargeable position and then replace the battery cover.



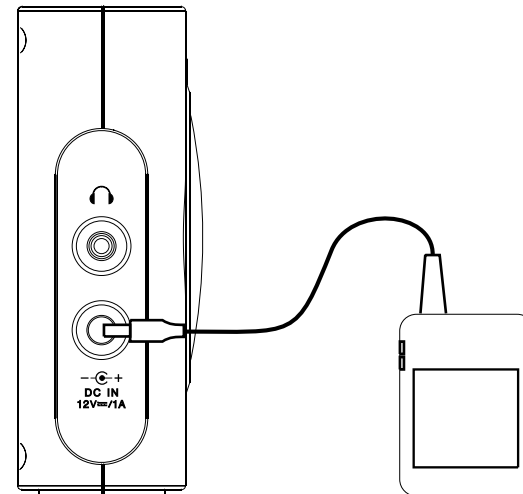
GB

4. The charge indicator lights to show that the batteries are charging.  
Batteries will be fully charged in around 7 hours.
- **Important: when using rechargeable batteries the battery switch must be placed in the rechargeable position. Batteries will only be charged when the radio is switched off and connected to the AC adaptor.**
  - Reduced power, distortion or your radio switching off by itself are all signs that the batteries may need recharging.
  - If the radio is not to be used for any extended period of time it is recommended that the batteries are removed from the radio.
- IMPORTANT:** The batteries should not be exposed to excessive heat such as sunshine, fire or the like. After use, disposable batteries should if possible be taken to a suitable recycling centre.  
On no account should batteries be disposed of by incineration.

### Using the AC adaptor

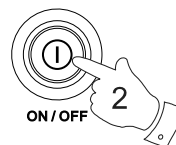
The AC adaptor for use with the radio should provide 12 volts DC output at 1 amp, centre pin positive.

1. Insert the adaptor plug into the DC in socket on the left hand side of your radio.
  2. Plug the adaptor into a standard 13A mains socket outlet.  
Whenever the adaptor is plugged in to the radio and switched on at the mains the batteries are automatically disconnected. If the adaptor is plugged in to the radio but not switched on then the radio will run from the batteries if fitted.  
*The AC adaptor should be disconnected from the mains supply and the radio when not in use.*
- **IMPORTANT:** The mains adaptor is used as the means of connecting the radio to the mains supply. The mains socket used for the radio must remain accessible during normal use. In order to disconnect the radio from the mains completely, the mains adaptor should be removed from the mains socket outlet completely.



## Operating your radio - DAB

1. Carefully extend the telescopic aerial.
2. Press the On/Off button to switch on your radio. The display will show "Welcome to Digital Radio" for a few seconds.
3. If this is the first time the radio is used to scan of Band III DAB channels will be carried out, known as Auto-tune. The display will show "Welcome to DAB".
4. During Auto-tune, the lower line of the display shows a bar graph indicating progress of auto-tune. If the radio has been used before, then the last used station will be selected instead of the Auto-tune process.
5. When the Auto-tune is completed the first station found (in numeric-alpha order 0...9...A...Z) will be selected.
6. If the station list is still empty after the Auto-tune your radio will display "No DAB station".
7. If no stations are found it may be necessary to relocate your radio to a position giving better reception.



Welcome to  
Digital Radio

GB

Welcome to DAB  
■■■■■■■■■■

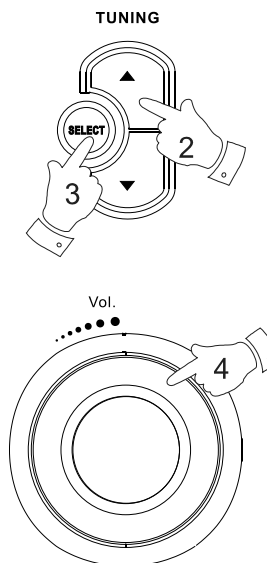
BBC Radio 7  
Now tuning...

BBC Radio 7  
I'm sorry I have

No DAB  
station

### Selecting a station - DAB

1. The top line of the display shows the name of the station currently selected.
  2. Press either of the Tuning Up or Down buttons to scroll through the list of available stations.
  3. Press and release the Select button to select the station. The display may show "Now tuning" while your radio finds the new station.
  4. Adjust the Volume control to the required setting.
- Note:  
If after selecting a station the display shows "Service not available" it may be necessary to relocate your radio to a position giving better reception.

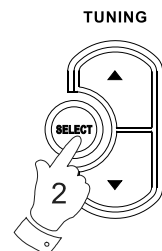


Classic FM

Station list  
\*BBC R7\*

### Secondary services - DAB

1. Certain radio stations have one or more secondary services associated with them. If a station has a secondary service associated with it the display will show ">>" next to the station name on the station list. The secondary service will then appear immediately after the primary service as you press the Tuning Up button.
2. Press the Select control to select the station.



BBC Radio 5Live  
\* >>BBC R5SX \*

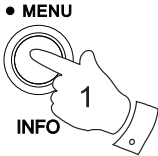
BBC R5LiveSportX  
\*BBC R5L >> \*



Display modes - DAB

Your radio has seven display modes for DAB radio:-

1. Press and release the Info/Menu button to cycle through the various modes.



- |                            |                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------|
| a. Scrolling text          | Displays scrolling text messages such as artist/track name, phone in number, etc. |
| b. Programme type          | Displays type of station being listened to e.g. Pop, Classic, News, etc.          |
| c. Multiplex name          | Displays name of the DAB multiplex to which the current station belongs.          |
| d. Time and date           | Displays current time and date.                                                   |
| e. Channel and frequency   | Displays channel and frequency for the station being listened to.                 |
| f. Audio type and bit rate | Displays audio type and bit rate for the station being listened to.               |
| g. Signal strength         | Displays signal strength for the station being listened to.                       |

a

BBC Radio 7  
I'm sorry I have

GB

b

BBC Radio 7  
Culture

c

BBC Radio 7  
BBC National DAB

d

BBC Radio 7  
19:17 08-06-2010

e

BBC Radio 7  
12B 225.64MHz

f

BBC Radio 7  
128kbps / MP2

g

BBC Radio 7  
■■■■■□■■■■■

### Finding new stations - DAB

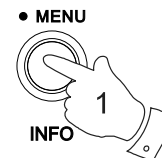
As time passes new stations may become available. To find new stations proceed as follows:-

1. Press and release the Auto Tune button, the display will show "Scanning". Your radio will perform a scan of the DAB III frequencies. As new stations are found the station counter on the right-hand side of the display will increase and stations will be added to the list.



### Signal strength display - DAB

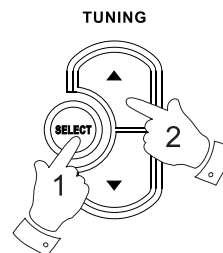
1. Repeatedly press and release the Info button until the display shows the signal strength.
2. Position your radio and carefully angle the telescopic aerial for best reception using the signal strength display as a guide. Move your radio around and position it so as to give maximum number of black rectangles on the signal strength display. The clear unfilled rectangle indicates the minimum signal level required for satisfactory reception.
3. Press the Info button to exit the signal strength display.



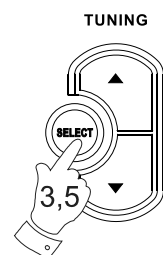
## Manual Tuning - DAB

Manual tuning allows you to tune directly to the various DAB Band III channels.

1. Press and hold the Select button until the display shows "Manual tune". Release the Select button.
2. Press either of the Tuning Up or Down buttons to select the required DAB channel.
3. Press and release the Select button to select the required DAB channel. The open bar in the middle shows you the minimum signal strength needed for good DAB reception. The signal strength bars will go up and down showing the changing signal strength as you adjust the telescopic aerial on your radio.
4. When a DAB signal is found, the display will show the name of the DAB multiplex. Any new radio stations found will be added to the list stored in the radio.
5. Press and release the Select button to return to normal tuning.



Manualtune  
✱12B 225.64MHz ✱



■■■■■  
12B 225.64MHz

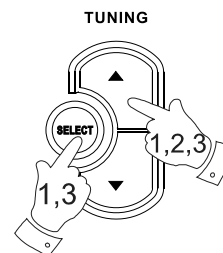
BBC Radio 7  
I'm sorry I have

GB

## Autoselect - DAB

As an alternative to pressing the Select button to select a station your radio can be set so as to automatically select a station.

1. Press and release either of the Tuning Up or Down buttons a few times, immediately press and hold down the Select button until the display shows "Autoselect ON".
2. Press the Tuning Up or Down buttons until the station you require is visible on the display. After a few seconds your radio will automatically select the station shown on the display.
3. To switch off autoselect press and release the Tuning Up or Down buttons a few times, immediately press and hold down the Select button until the display shows "Autoselect Off".



BBC Radio 7  
Autoselect ON

BBC Radio 7  
Autoselect OFF

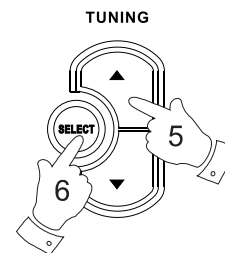
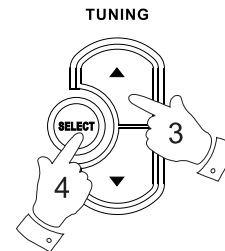
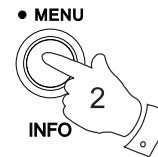
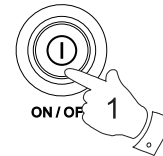
## Dynamic Range Control (DRC) settings - DAB

DRC can make quieter sounds easier to hear when your radio is used in a noisy environment.

1. Press the On/Off button to switch on your radio.
2. Press and hold in the Info/Menu button and the display will show "Station list."
3. Press the Tuning Up or Down buttons until the display shows "DRC value".
4. Press and release the Select button to enter adjustment mode.
5. Press the Tuning Up/Down buttons to select required DRC setting (default is 0) .  
DRC 0 DRC is switched off, Broadcast DRC will be ignored.  
DRC 1/2 DRC level is set to 1/2 that sent by broadcaster.  
DRC 1 DRC is set as sent by broadcaster.
6. Press and release the Select button to confirm the setting.  
The display will return to normal tuning mode.

Note:

Not all DAB broadcasts are able to use the DRC function. If the broadcast does not support DRC, then the DRC setting in the radio will have no effect.



DAB  
\*Station list \*

DAB  
\*DRC value \*

DRC value \*

\*DRC0 \*

DRC value \*

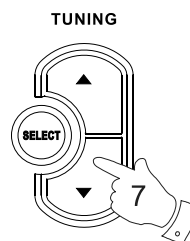
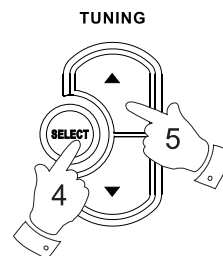
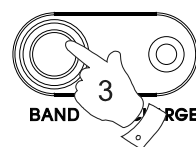
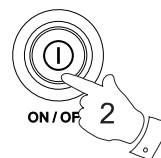
\*DRC 1/2 \*

DRC value \*

\*DRC1 \*

## Operating your radio - FM

1. Carefully extend the telescopic aerial.
2. Press the On/Off button to switch on your radio. The display will show "Welcome to Digital Radio" for a few seconds.
3. Press the Band button to select the FM band.
4. Press and release the Select button until the display shows "Auto tune <>".
5. Press the Tuning Up button to cause your radio to scan in an upwards direction (low frequency to high frequency) and stop automatically when it finds a station of sufficient strength.
6. After a few seconds the display will update and show station name (if RDS information is available).
7. Press the Tuning Down button to scan the FM band in a downwards direction (high frequency to low frequency).
8. When the waveband end is reached your radio will recommence tuning from the opposite waveband end.
9. Adjust the Volume control to the required setting.
10. To switch off your radio press the On/Off button.



GB

89.30 MHz FM

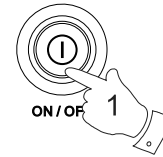
89.30 MHz FM  
Auto tune <>

Searchin9... >

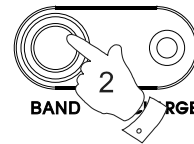
Searchin9... <

### Manual tuning - FM

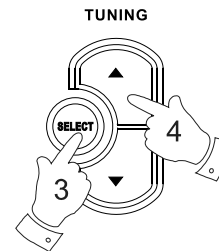
1. Press the On/Off button to switch on your radio.
2. Press the Band button to select the FM band. Fully extend the Telescopic aerial.
3. Press and release the Select button until the display shows "Manual tune <>".
4. Press either of the Tuning Up or Down buttons to tune to a station. The frequency will change in steps of 50kHz.
5. When the waveband end is reached the radio will recommence tuning from the opposite waveband end.
6. Set the Volume control to the required setting.
7. To switch off your radio press the On/Off button.



89.30 MHz FM



89.30 MHz FM  
Manual tune <>



### Display modes - FM

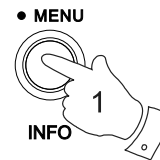
In FM mode the bottom line of the display can be set to any of the following modes:-

1. Press the Info/Menu button to cycle through the various modes.

- |                   |                                                                                  |
|-------------------|----------------------------------------------------------------------------------|
| a. Scrolling text | Displays scrolling text messages such as artist/track name, phone in number etc. |
| b. Program Type   | Displays type of station being listened to e.g. Pop, Classic, News, etc.         |
| c. Time and date  | Displays current time and date.                                                  |
| d. Frequency      | Displays frequency of the station being listened to.                             |

#### Note:

When tuned to the FM band, information display is only available when the radio is able to receive RDS information from the broadcaster.



a

BBC R2 St RDS  
The latest news

GB

b

BBC R2 St RDS  
Pop Music

c

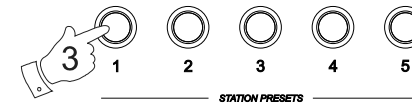
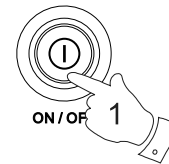
BBC R2 St RDS  
12:02 16-06-2010

d

BBC R2 St RDS  
89.30MHz FM

### Presetting stations

There are 5 memory presets for each of the two wavebands which allow you to quickly tune the radio to your favourite stations. Presets are stored in a memory which remembers the settings even when the radio is switched off.

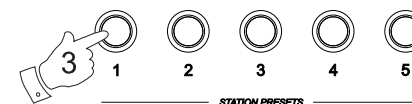
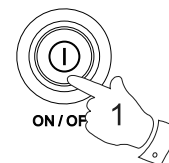


1. Press the On/Off button to switch on your radio.
2. Tune to the required station as previously described.
3. Press and hold the required Preset button until the display shows e.g. Preset 1 stored. The station will be stored under the chosen preset button. Repeat this procedure for the remaining presets.
4. Stations stored in the memories may be overwritten by following the above procedure.

BBC Radio 7  
Preset 1 stored

### Recalling a preset

1. Press the On/Off button to switch on your radio.
2. Select the required waveband.
3. Momentarily press the required Preset button, your radio will tune to the station stored in preset memory.



BBC Radio 7  
I'm sorry I have



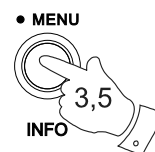
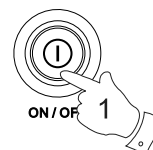
### Stereo / Mono setting - FM

Your radio will play stereo broadcasts in stereo (via headphones) so long as the received signal is of adequate strength. However, as a stereo signal becomes weaker the audio signal will become poorer. It may be preferable to force the radio to play the station in mono in order to reduce the level of audio noise.

1. Press the On/Off button to switch on your radio.
2. Tune to the required FM radio station as previously described.
3. Press and hold the Info/Menu button until the display shows "Mono Override" on the lower line.
4. Press the Select button to enter the Mono Override menu. The lower line will show "Override Off" if the radio is in the Auto-Stereo mode. Press the Tuning Up or Down button to switch on the mono Override. While this setting is engaged, the radio will play the current station in mono whether listening via headphones or the loudspeaker.

Mono Override is a temporary setting and is applied to the currently tuned station only. It is cancelled automatically by tuning to another radio station.

5. If you wish to cancel Mono Override while listening to the currently tuned radio station, press and hold the Info button until the display shows "Mono Override" on the lower line. Press the Select button to enter the Mono Override menu. The lower line will show "Override On" if the radio is in the Mono Override mode.
6. Press the Tuning Up or Down buttons, the lower line shows "Override Off". Press the Select button to switch off the Mono Override. The radio will then play the current station in stereo through headphones if the signal is sufficiently strong.



GB

89.30 MHz FM

FM  
\*Mono Override \*

Mono Override \*  
\*Override Off \*

Mono Override \*  
\*Override On \*

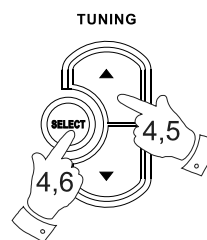
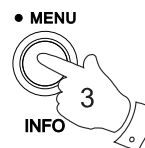
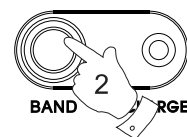
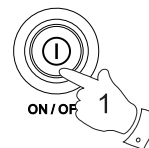
### Scan sensitivity setting - FM

Your radio will normally scan for FM broadcasts which are strong enough to give good reception. However, you may wish the Auto-scan function to also be able to find weaker signals, possibly from more distant radio transmitters. Your radio includes a local / distant option for the Auto-scan function.

1. Press the On/Off button to switch on your radio.
2. If needed, press the Band button to select the FM band.
3. Press and hold the Info/Menu button until the display shows "Mono override" on the lower line.
4. Press and release the Tuning Up or Down buttons until the display shows "FM Scan Zone" then press the Select button to enter the scan zone selection menu.
5. Press the Tuning Up or Down buttons to switch between Local and Distant options on the lower line of the display. The Distant option will allow the radio to find weaker signals when scanning.
6. Press the Select button to confirm your selection. The radio will then revert to the normal information display. The Local or Distant setting is stored in the radio and remains in force until changed or until a System Reset.

#### Note:

The initial setting (out of the box, or after a System Reset) causes the radio to ignore weak (distant) signals.



89.30 MHz FM

FM  
\*Mono Override\*

FM  
\*FM Scan Zone\*

FM Scan Zone \*  
\*Local\*

FM Scan Zone  
\*Distant\*

## Software version

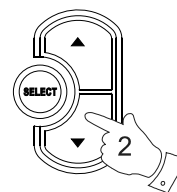
The software display cannot be altered and is just for your reference.

1. To view the software version on the display press and hold in the Info/Menu button for two seconds.
2. Press the Tuning Up/Down buttons until the display shows "SW version" on the lower line . Press the Select button to enter the SW version. The version number is then shown on the lower line of the display. Press and release the Info button will revert to normal tuning mode.

• MENU



TUNING



DAB  
\*Station list \*

GB

DAB  
\*SW version \*

SW version  
dab-mmi-FS2027-0

## System reset

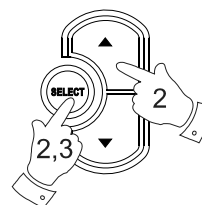
If your radio fails to operate correctly, or some digits on the display are missing or incomplete carry out the following procedure.

1. Press and hold down the Info/Menu button for 2 seconds.
2. Press the Tuning Up or Down buttons until the display shows "Factory reset" on the lower line then press and release the Select button to select System reset.
3. Press the Select button once more and a full reset will be performed. All presets and station lists will be erased.
4. After a system reset a scan of the DAB band will be performed.  
In case of malfunction due to electrostatic discharge, reset the product (reconnection of power source may be required) to resume normal operation.

• MENU



TUNING



DAB  
\*Station list \*

DAB  
\*Factory reset \*

Press SELECT to  
confirm reset...

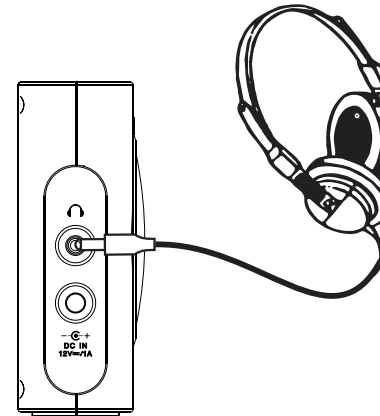
Welcome to DAB  
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### Headphone socket

A 3.5mm Headphone Socket located on the left hand side of your radio is provided for use with either headphones or an earpiece. Inserting a plug automatically mutes the internal loudspeaker.

#### **IMPORTANT:**

Excessive sound pressure from earphones and headphones can cause hearing loss.



### Display backlight

1. When using on batteries, the display backlight will be switched on for approximately 12 seconds when any button is pressed.
2. When your radio is powered by AC mains the display backlight will always be switched on.

### A Few words about batteries...

Your radio has been designed to use a choice of power sources. You may plug it into the mains using the supplied adaptor, or for listening away from the mains you may use either alkaline or rechargeable batteries. We do not recommend the use of carbon-zinc or zinc-chloride batteries.

It is very important that you read the advice and warnings given below.

- 1) Whichever type of batteries you choose to use, it is very important that the battery selection switch under the cover is set to the correct type.
  - a. If no batteries are fitted, then set the switch to the Alkaline position. This position minimises the power consumption when the radio is powered from the mains.
  - b. If Alkaline batteries are fitted, then set the switch to the Alkaline position.
  - c. If Rechargeable batteries are fitted, then set the switch to the Rechargeable position. Your radio is designed to use Nickel-Metal-Hydride rechargeable batteries. No other type of rechargeable battery should be used in the radio.
- 2) NEVER mix old and new Alkaline batteries. The old batteries may suffer damage and leak which will damage your radio and whatever the radio is standing on.
- 3) NEVER mix old and new Rechargeable batteries. This may result in unreliable charging and shortened battery life. Never mix Rechargeable batteries of different types or capacities even if they are new.
- 4) NEVER mix Alkaline and Rechargeable batteries. The recharging of Alkaline batteries can be very dangerous.

### Rechargeable batteries...

Your radio uses a range of methods to ensure correct and safe charging of Rechargeable Nickel-Metal-Hydride batteries. These work to protect your batteries from excessive charge and discharge. These protections can only work properly if the advice above is followed. In particular, the radio will not be able to correctly charge batteries if they are a mixture of different brands, or different ages, or different capacities.

We recommend that all the rechargeable batteries used in your radio are bought together as a set. They should always be charged together and discharged together and not "borrowed" from time to time for other applications. This will ensure that they give their optimum performance in your radio.

We recommend that the rechargeable batteries that you use should be from a quality brand, and should be of at least 2000mAh capacity. Batteries of this capacity should be able to power your radio for between 10 and 20 hours depending upon the volume of the radio, whether DAB or FM mode is used (DAB mode uses slightly less power than FM), and also depending on the condition of the batteries.

Before you first install a new set of rechargeable batteries into your radio you should first make sure that the battery type switch beneath the battery cover is in the rechargeable position. Install the batteries arranging them as shown on the back of the radio. Plug the mains adaptor into a mains socket and then into the radio. While the batteries are charging the battery indicator should show a red light. When the batteries are fully charged the indicator will turn off. The time taken to charge the batteries will depend on how much charging they require. New batteries may be partly charged when first fitted, but it is normal for a set of batteries to take several hours to charge fully (this can be between 5 and 8 hours depending on the battery capacity and their initial state of charge).

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If you use the radio powered from the batteries, the battery light will be off. When the batteries are exhausted, the radio will switch itself off. It does this in order that the batteries are not excessively discharged. This would otherwise damage the batteries and shorten their life.

If you use the radio powered from the mains with rechargeable batteries fitted, the charging process is suspended until you switch off the radio. When you switch off the radio using its On/Off button charging will then resume. If the batteries have already been charged then they will only charge for a few more minutes before the battery charge indicator goes turns off.

If you only listen to your radio for short periods, you do not need to connect your radio to the mains to charge the batteries every time that you use it. However, if the radio is not to be used for a few weeks we recommend that the batteries are fully charged before the radio is put to one side (charge until battery charge light turns off).

If you intend not to use your radio for some months, then we recommend that the batteries are removed and put away, keeping them in a cool place out of reach of children, away from moisture and such that no metal object can contact the battery terminals.

With care, rechargeable batteries can last a long time and can operate for many hundreds of charge and discharge cycles. When your rechargeable batteries can no longer power your radio adequately, please dispose of them thoughtfully.

#### **To avoid danger and risk of injury, please follow these guide lines**

Improper use of batteries may result in leakage of fluid, overheating or explosion. Battery fluid is corrosive and may also be toxic. Battery fluid can cause skin burns, can damage the eyes, and can be harmful if swallowed.

1. Keep batteries out of the reach of children.
2. Do not heat, open, puncture, mutilate or dispose of batteries by burning.
3. Do not mix different battery types or old and new batteries. Always replace all the batteries at the same time.
4. Do not carry or store batteries such that metal objects may contact the end caps.
5. Remove batteries from the radio if they are worn out or if you are storing it for a long time.
6. Remove old or worn out batteries promptly, and recycle or dispose of them according to the regulations applicable to your location.
7. If a battery does leak, remove all batteries from the product, taking care to avoid directly touching the leaked fluid. If the fluid contacts skin or clothes wash with water immediately. Before inserting new batteries, thoroughly clean the battery compartment with a damp paper towel, or follow the battery manufacturer's advice for clean up.

### General

Do not allow this radio to be exposed to water, steam or sand. Do not leave your radio where excessive heat could cause damage such as in a parked car where the heat from the sun can build up even though the outside temperature may not seem too high. It is recommended that the DAB band be used wherever possible as better results in terms of quality and freedom from interference will usually be obtained than on the FM band.

The name plate is located on the back of your radio.



- Your radio should not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the radio.
- It is recommended to operate the product such that there is a minimum distance (10cm recommended) to adjacent objects in order to ensure good ventilation.
- The ventilation of the product should not be restricted by covering it or its ventilation openings with items such as newspapers, tablecloths, curtains etc.
- No naked flame sources such as lighted candles should be placed on the product.
- It is recommended to avoid using or storing the product at extremes of temperature. Avoid leaving the unit in cars, on window sills, in direct sunlight etc.

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## Specifications

### Power Requirements

Mains	AC 100 - 240 volts, 50 - 60 Hz ~only (adaptor)
Batteries	6 x LR6 (AA size)

### Battery Life

Up to 25 hours of listening for 4 hours a day  
at normal volume using alkaline cells.

### Frequency Coverage

FM 87.5-108MHz  
DAB 174.928 - 239.200MHz

## Circuit Features

Loudspeaker	75mm
Output Power	1 Watt
Headphone socket	3.5mm dia
Aerial System	FM Telescopic aerial DAB Telescopic aerial

*The Company reserves the right to amend the specification without notice*



*If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)*



